

# INTERNATIONAL SEARCH REPORT

International application No

PCT/EP2006/003171

## A. CLASSIFICATION OF SUBJECT MATTER

INV. C07D207/48 C07D401/12 A61K31/40 A61K31/4025 A61P35/00  
A61P19/02 A61P25/00 C07D409/12 C07D417/12 C07D403/12

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

C07D A61K A61P

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, CHEM ABS Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	RINO RAGNO ET AL: "3-(4-Aroyl-1-methyl-1H-pyrrol-2-yl)-N-hydroxy-2-propenamides as a new class of synthetic histone deacetylase inhibitors. 3. Discovery of novel lead compounds through structure-based drug design and docking studies" JOURNAL OF MEDICINAL CHEMISTRY, vol. 47, no. 6, 2004, pages 1351-1359, XP002339636 cited in the application abstract figure 1; compound 4	1-19
A	WO 01/38322 A (METHYLGENE, INC) 31 May 2001 (2001-05-31) examples 87,93,94,96 claims 1-48	1-19
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☒ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

### \* Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

17 July 2006

Date of mailing of the international search report

07.08.06

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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>EP 0 570 594 A (SHIONOGI &amp; CO., LTD)  24 November 1993 (1993-11-24)  example 11  claims 3,4</p> <p>-----</p>	1-19

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### Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:  
~~Although claims 12, 13, 15-18 are directed to a method of treatment of the human/animal body (Article 52(4) EPC), the search has been carried out and based on the alleged effects of the compound/composition.~~
2. ☐ Claims Nos.:  
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

### Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

#### Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 0138322	A	31-05-2001	AU 783504 B2	03-11-2005
			AU 1876801 A	04-06-2001
			CA 2391952 A1	31-05-2001
			EP 1233958 A1	28-08-2002
			JP 2003514904 T	22-04-2003
			MX PA02005196 A	22-09-2003
EP 0570594	A	24-11-1993	AT 156116 T	15-08-1997
			DE 69221290 D1	04-09-1997
			DE 69221290 T2	15-01-1998
			DK 570594 T3	25-08-1997
			ES 2107557 T3	01-12-1997
			GR 3024740 T3	31-12-1997
			WO 9312075 A1	24-06-1993
			JP 3342485 B2	11-11-2002
			KR 236806 B1	15-01-2000
			US 5534654 A	09-07-1996